



PATENT
ATTORNEY DOCKET NO.: 040894-7130

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Akira OBUCHI et al.) Confirmation No.: 2534
)
Application No.: 10/521,774) Group Art Unit: 3753
)
371 Date: January 21, 2005) Examiner: Unassigned
)
For: HEAT EXCHANGER AND REACTOR)
HEATER USING THE SAME)

Commissioner for Patents
Alexandria, VA 22314

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO Form 1449. To the best of the undersigned's knowledge, this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Accordingly, Applicants do not believe that a fee is due for filing this paper.

Copies of the listed documents are enclosed. The following documents are in a language other than English.

- (a) JP 2001-349524: The relevance of this document can be understood from the discussion at page 2, lines 3-20, of the present application, from the attached English language abstract, and from the figures therein.
- (b) JP 61-013171: The relevance of this document can be understood from the PCT International Search Report of the PCT application from which this application is a National Stage and from the figures therein. A copy of the PCT International Search Report is enclosed.

(c) EP 1016777: The relevance of this document can be understood from the PCT International Search Report, from the attached English language abstract, and from the figures therein.

(d) JP 2002-188435: The relevance of this document can be understood from the PCT International Search Report, from the attached English language abstract, and from the figures therein.

(e) JP 11-264679: The relevance of this document can be understood from the PCT International Search Report, from the attached English language abstract, and from the figures therein.

(f) JP 50-061509: The relevance of this document can be understood from the PCT International Search Report, from the attached English language abstract, and from the figures therein.

(g) Hanamura et al. article: The relevance of this document can be understood from the discussion at page 2, lines 3-20, of the present application and from the figures therein.

(h) Maruta et al. article: The relevance of this document can be understood from the discussion at page 2, lines 3-20, of the present application and the figures therein.

(i) Nihon Keizai Sangyo Shimbun article: The relevance of this document can be understood from the discussion at page 2, lines 3-20, of the present application and from the figures therein.

Applicants request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached PTO Form 1449.

This submission does not represent that a search has been made or that any better art exists and does not constitute an admission that the listed documents are material or constitute "Prior Art." If it should be determined that any of the listed documents do not constitute "Prior Art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any of the documents be applied against the claims of the present application.

EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§ 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-0310. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

By:



Robert J. Goodell
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Dated: January 13, 2006

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INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary) PTO Form 1449		Attorney Docket No. 040894-7130		Application No.: 10/521,774			
		Applicants: Akira OBUCHI et al.		PAGE 1 of 1			
		371 Date: January 21, 2005		Group Art Unit: 3753			
U.S. PATENT DOCUMENTS							
Examiner Initials TRADE MARK OFFICE	Document Number	Date	Name	Class	Sub Class	Filing Date	
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Sub Class	<u>Translation</u>	
				YES	NO		
	JP 2001-1349524	Dec. 21, 2001	Japan (with English-language Abstract)				X
	JP 61-013171-U	Jan. 25, 1986	Japan				X
	EP 1016777	Dec. 29, 1999	Europe				
	JP 2002-188435	Jul. 5, 2005	Japan (with English-language Abstract)				X
	JP 11-264679	Sep. 28, 1999	Japan (with English-language Abstract)				X
	JP 50-061509	May 27, 1975	Japan (with English-language Abstract)				X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Katsunori HANAMURA et al., "Super-Adiabatic Combustion of Trace Unburnt Components in Porous Catalyst", <i>39th Combustion Symposium, Presentation No. C145</i> , November 21-23, 2001, Yokohama, pp. 93-94.					
		K. Maruta et al., "Modelling of Catalytic Combustion in Microchannel for MEMS Combustor", <i>39th Combustion Symposium, Presentation No. C144</i> , November 21-23, 2001, Yokohama, pp. 95-96.					
		Nihon Keizai Sangyo Shimbun, June 25, 2002					
Examiner			Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							